

CONTRACT CHANGE ORDER MEMORANDUM

TO: Tony Anziano, Program Manager /		FILE: E.A. 04 - 0120F4		
FROM: Darryl Schram, Senior TE		CO-RTE-PM SF-80-13.2/13.9		
		FED. NO. No		
CCO#: 217	SUPPLEMENT#: 2	Category Code: CHPT	CONTINGENCY BALANCE (incl. this change) \$26,070,333.42	
COST: \$0.00		INCREASE <input type="checkbox"/>	DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
CCO DESCRIPTION: Skyway Bikepath Hinge A		PROJECT DESCRIPTION: CONSTRUCT SELF-ANCHORED SUSPENSION BRIDGE		
Original Contract Time: 2490 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 501 Day(s)	Percentage Time Adjusted: (including this change) 20 %	Total # of Unreconciled Deferred Time CCO(s): (including this change) 30

THIS CHANGE ORDER PROVIDES FOR:

Provide the following additional scope of work for Contract Change Order 217 S0 force account funds:

At the Hinge A bikepath expansion joint, furnish and install steel shim plates beneath the elastomeric bearing pads, revise railing expansion joint, and fabricate and install temporary plates on the side cover plates.

Contract Change Order (CCO) 193 "Skyway Bikepath Expansion Joints" revised the bikepath expansion joint at Hinge A to provide adequate clearance for seismic activity after aligning the as-built deck profiles of the SAS and Skyway structures. While performing CCO 193 modifications, water was encountered in the Skyway bikepath box sections and construction issues with the cover plate at Hinge A were identified. CCO 217 S0 "Skyway Bikepath Panel Investigation" located and removed water that was inside the Skyway bikepath panels. CCO 217 S1 "Skyway Bikepath Joint Cover Plates" modified the cover plate at Hinge A to match the other hinge plates and to prevent future water intrusion, revised the pipe supports at Hinges B and C to eliminate interference with CCO 193 expansion joint work, and installed shims under the tracks of the emergency access gates to maintain the aesthetic profile of the railing.

This change order will close the gap between the elastomeric bearing pads and the revised CCO 193 expansion joint with shims.

The railing on the expansion joint is too flexible. Force applied to the railing causes it to swing outwards creating too large of a gap or inwards causing the SAS and Skyway railings to hit. The railing will be revised to restrict movement.

CCO 193 added side cover plates to the bikepath expansion joint, but did not extend them the entire length of the expansion joint to avoid the cover plates impacting the railing base plates during a seismic event. The shorter side cover plates have voids between the corners of the expansion joint and the edges of the bikepath which create a tripping hazard for pedestrians. In order to prevent delaying the opening of the bikepath to the public, temporary plates will be installed to cover the gaps. Another contract will fabricate and install a permanent solution.

This change order resolves the costs associated with Contractor Request for Information (RFI) numbers 3368, 3393R0, and 3393R1 with respect to the changes listed above.

The total cost of this change order is \$0.00 force account, sufficient funds remain in CCO 217 S0 and S1 force account funds to cover the cost of this work. A detailed cost analysis is on file. The cumulative total of CCO 217 S0, S1, and S2 is \$464,650.00.

No time adjustment is warranted as this change order does not affect the controlling operation.

This change order has concurrence from William Casey (Supervising TE), Rich Foley (HQ Oversight), Wenyi Long (Bridge Design), and Lina Ellis (Maintenance).

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CONCURRED BY:			ESTIMATE OF COST		
Construction Engineer:	William Casey, Sup TE	Date	3/4/14	THIS REQUEST	TOTAL TO DATE
Bridge Engineer:	CT Oversight, Wenji Long, P.E.	Date	3/4/14	ITEMS	\$0.00
Project Engineer:		Date		FORCE ACCOUNT	\$0.00
Project Manager:		Date		AGREED PRICE	\$200,000.00
FHWA Rep.:		Date		ADJUSTMENT	\$0.00
Environmental:		Date		TOTAL	\$0.00
Other (specify):	HQ, Rich Foley	Date	3/4/14	FEDERAL PARTICIPATION	
Other (specify):	Struct. Maint, Lina Ellis	Date	3/5/14	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING	
District Prior Approval By:		Date		FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type) <input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS	
HQ (Issue Approve) By:		Date		FEDERAL FUNDING SOURCE	PERCENT
Resident Engineer's Signature:		Date	3/6/14	_____	_____
				_____	_____